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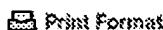
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Grimblatt, V.; Leon, G.; Straub, P.; Anderson, H.;
Devices, Circuits and Systems, 2000. Proceedings of the 2000 Third IEEE International Caracas Conference on , 15-17 March 2000
Pages:T93/1 - T93/4

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2 Television meta-data standardization overview and opportunities

Barton, J.M.;
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3 User's requirements for electronic program guide (EPG) in interactive television (iTV)

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Schneider, B.A.;

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10 The reliability test and evaluation program for the next generation weather radar (NEXRAD) system

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Heckman, D.W.; Baretela, L.M.;

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15 Simulation of charged cooled trapped ions

Dezfulli, A.M.G.; Moore, R.B.;

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Michael Ehrmantraut, Theo Härdter, Hartmut Wittig, Ralf Steinmetz

November 1996 **Proceedings of the fifth international conference on Information and knowledge management**Full text available:  [pdf\(923.87 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

2 [User interfaces for digital television: a navigator case study](#) 

Leena Eronen, Petri Vuorimaa

May 2000 **Proceedings of the working conference on Advanced visual interfaces**Full text available:  [pdf\(1.01 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Digital television user interfaces are composed of text, graphics and video. Usability issues that arise include information visualization, searching and navigation. This paper introduces two user interface prototypes for digital television. Both prototypes were tested with real users and the test results are discussed.

Keywords: digital television, navigation, prototypes, usability, user interfaces

3 [Content management: Dynamic program insertion in high quality video over IP](#) 

Taehyun Kim, Jack Brassil

June 2003 **Proceedings of the 13th international workshop on Network and operating systems support for digital audio and video**Full text available:  [pdf\(269.10 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We introduce an overlay network architecture and signaling mechanism that permit program insertions in live, high quality video streams transmitted over IP networks. We describe the implementation of an application proxy that dynamically inserts pre-recorded video programs into NTSC D1 quality Motion-JPEG streams with no visible artifacts. As increases in computing power further enable the modification of video during transport, new services such as personalized commercial advertisement insertio ...

Keywords: content delivery networks (CDNs), digital television (DTV), multimedia signaling, program and system information protocol (PSIP), program cues, real-time transport protocol (RTP), video streaming

4 [3d animation and iTV: Affective usability evaluation for an interactive music television channel](#) 

Konstantinos Chorianopoulos, Diomidis Spinellis

July 2004 **Computers in Entertainment (CIE)**, Volume 2 Issue 3

Computer-mediated television brings new requirements for user interface design and evaluation, since interactive television applications are deployed in a relaxed domestic setting and aim to gratify the need for entertainment. Digital video recorders, the generation of custom computer graphics on each digital set-top box, and the introduction of new advertising formats are important issues for research and practice. We explore the employment of an animated character and the dynamic insertion ...

Keywords: TiVo, affective usability, animated character, interactive television, music video, set-top box, user interface

5 Posters and Short Papers: Integrated broadband environment for personalized TV experience (IBEX): implementation study and practice 

Yoshihisa Gonno, Fumihiko Nishio, Tomohiro Tsunoda, Yasuaki Yamagishi

October 2001 **Proceedings of the ninth ACM international conference on Multimedia**

This is a continuing work on the IBEX, that is Integrated Broadband Environment for Personalized TV Experience. In this paper, we describe our implementation study of the IBEX as a TV-Anytime service platform. We also describe potential IBEX applications on the basis of TV-Anytime specifications. The Adaptive Content Guide (ACG) is expected to provide consumers with adaptive access to favorite contents and metadata customized not only for user preferences but also terminal capabilities. We also ...

Keywords: MPEG-7, PDA, TV-anytime, adaptive content guide (ACG), electronic program guide (EPG), metadata, mobile phone, universal accessibility

6 Automatic recording agent for digital video server 

Atsuyoshi Nakamura, Naoki Abe, Hiroshi Matoba, Katsuhiro Ochiai

October 2000 **Proceedings of the eighth ACM international conference on Multimedia**

We propose and evaluate the performance of a number of methods for automatic recording of TV programs for digital video servers, which estimate the user's preference over TV programs based on her/his past viewing behavior and automatically record a selected number of TV programs believed to be of interest to the user. Our methods combine the so-called content-based filtering and social (or collaborative) filtering methods and are based on a certain class of on-line learning algorithms known as ...

7 Generating presentation constraints from rhetorical structure 

Lloyd Rutledge, Brian Bailey, Jacco van Ossenbruggen, Lynda Hardman, Joost Geurts

May 2000 **Proceedings of the eleventh ACM on Hypertext and hypermedia**

Keywords: authoring, constraints, meta-structure, presentation generation, rhetorics

8 Interactive Posters: Exposing profiles to build trust in a recommender 

John Zimmerman, Kaushal Kurapati

April 2002 **CHI '02 extended abstracts on Human factors in computing systems**

This paper describes a method for increasing trust in a TV show recommender. We look for people in common between programs users watch and new programs that are highly rated by our TV show recommender. We then present these to users in a conversational sentence, helping them decide if they want to try the new show. This method has been implemented in our current TV show recommender interface and will be tested in the near future.

Keywords: EPG, TV, captology, conversational agent, credibility, electronic program guide, interface design, persuasion, persuasive computing, profiling, recommender, trust, user profile

9 Posters and Short Papers: Personalizing video recorders using multimedia processing and integration 

Nevenka Dimitrova, Radu Jasinschi, Lalitha Agnihotri, John Zimmerman, Thomas McGee, Dongge Li

October 2001 **Proceedings of the ninth ACM international conference on Multimedia**

Full text available:  [pdf\(1.89 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Current personal Vido recorders make it very easy for consumers to record whole TV programs. Our research however, focuses on personalizing TV at a sub-program level. We use a traditional Content-Based Information Retrieval system architecture consisting of archiving and retrieval modules. The archiving module employs a three-layered, multimodal integration framework to segment, analyze, characterize, and classify segments. The retrieval module relies on users personal preferences to deliver bot ...

Keywords: bayesian networks, content-based video retrieval, multimodal integration

10 Video anywhere: a system for searching and managing distributed heterogeneous video assets 

Amit Sheth, Clemens Bertram, Kshitij Shah

March 1999 **ACM SIGMOD Record**, Volume 28 Issue 1

Full text available:  [pdf\(545.62 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Visual information, especially videos, plays an increasing role in our society for both work and entertainment as more sources become available to the user. Set-top boxes are poised to give home users access to videos that come not only from TV channels and personal recordings, but also from the Internet in the form of downloaded and streaming videos of various types. Current approaches such as Electronic Program Guides and video search engines search for video assets of one type or from on ...

11 Security watch: The many colors of multimedia security 

Rebecca T. Mercuri

December 2004 **Communications of the ACM**, Volume 47 Issue 12

Full text available:  [pdf\(74.67 KB\)](#)  [html\(23.03 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Protection of artistic content from illegal distribution involves significant gray areas in terms of methods and laws.

12 Advancing interaction: Task-sensitive user interfaces: grounding information provision within the context of the user's activity 

Nathalie Colineau, Andrew Lampert, Cécile Paris

May 2004 **Proceedings of the working conference on Advanced visual interfaces**

Full text available:  [pdf\(368.42 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In the context of innovative Airborne Early Warning and Control (AEW&C) platform capabilities, we are building an environment that can support the generation of information tailored to operators' tasks. The challenging issues here are to improve the methods for managing information delivery to the operators, and thus provide them with high-value information on their display whilst avoiding noise and clutter. To this end, we enhance the operator's graphical interface with information delivery mec ...

Keywords: discourse planning, information delivery, information visualization, task-sensitive interface

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